Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	10/31/2018 10/31/2018	Sterling York

LM Start		Rating **	Α	Issue No.		4		
LM End		Issue Type +	Ma	Location * N/A				
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start	End	l		
Item	Operations & Maintenance					0		
пеш	Manuals o				0			
DWR ID DWR_NA0004_01_s _ 2013_4								
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
O&M man	uals are lo	cated at the d	istrict of	fice.				

No Photos

Rating ** Issue No. Α 5 LM Start Issue Type + Ма Location * N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR_NA0004_01_s _ 2013_5 DWR ID Comment Code

No Photos

Inspector Comment

LMA has adequate emergency flood fight supplies which are at their shop/office located at 214 1st St.

LM Start		Rating **	Α	Issue No.		6	
LM End		Issue Type +	Ма	Location *		N/A	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Flood Preparedness & Training				0		0	
item					0		0
DWR ID	DWR_NA0	004_01_s _ 201	3_6				
		Comn	nent Cod	le			
	Inspector Comment						

NA0004 employees participate in a flood fight training that is sponsored

No Photos

* Location

by RD784 each year.

N/A: Not Applicable

LS: Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	10/31/2018 10/31/2018	Sterling York

LM Start	0.00	Rating **	Α	Issue No.	9			
LM End	3.16	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Vegetatio	า		39.1495	86 °	39.164057°		
item				-121.6011	02°	-121.560833 °		
DWR ID DWR_NA0004_01_f _ 2018_9								
Comment Code								

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained, Fall 2018.



View looking downstream landside of the well maintained vegetation, Fall 2018.

LM Start	0.00	Rating **	Α	Issue No.		10		
LM End	3.16	Issue Type +	Ma	Location *	WS			
Category	evee	GPS Latitude/Longitude						
Category				Start		End		
Item	Vegetation			39.1495	88 °	39.164057°		
пеш		-121.6011	02 °	-121.560834°				
DWR ID DWR_NA0004_01_f _ 2018_10								

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained, Fall 2018.

Photo 1 of 1: FA_2018_NA0004_104_10_20181108_00015.jpg



View looking downstream waterside of the well maintained vegetation, Fall 2018.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	10/31/2018 10/31/2018	Sterling York

LM Start	0.45 Rating ** A/W		Issue No.		37	
LM End	0.45	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	DWR UCI	DWR UCIP LMA Responsibility)7°	39.153107°
пеш	item				35 °	-121.594835 °
DWR ID	19090					

Inspector Comment

Comment Code

FS_ID:52792 DS_ID:19090 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

Crossing Status: Found UCIP Comments:

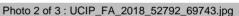
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through levee, 27 feet below crown. Flap gate and concrete "U" headwall on waterside (WS) end. Slide gate in 48-inch corrugated metal riser on WS slope of pipe. Steel walkway to control gate. Outfall drains from Ellis Lake. Concrete headwall at both toes. Concrete base under riser units. Steel riser unit and slide gate added under Permit No. 4041, 1962-Marysville Levee Commission. [Additional Reference(s): DWR Levee Logs, 1993 and 2005. USACE Sacramento O&M Manual Unit No. 147, August 1955, (Station 8+48)]

FS Date: 3/14/2013

LM Start	0.45	Rating **	A/W	Issue No.	37 (cont)
LM End	0.45	Issue Type +	Ma	Location *	



View of outlet located on waterward side under toe road.





View of waterward side from toe road.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.23	10/31/2018 10/31/2018	Sterling York

LM Start	0.45	Rating **	A/W	Issue No.		37 (cont)	
LM End	0.45	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	39.15310	7°	39.153107	0
пеш		-121.59483	5 °	-121.594835	0		
DWR ID	19090						

Comment Code

Inspector Comment

FS_ID:52792 DS_ID:19090 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through levee, 27 feet below crown. Flap gate and concrete "U" headwall on waterside (WS) end. Slide gate in 48-inch corrugated metal riser on WS slope of pipe. Steel walkway to control gate. Outfall drains from Ellis Lake. Concrete headwall at both toes. Concrete base under riser units. Steel riser unit and slide gate added under Permit No. 4041, 1962-Marysville Levee Commission. [Additional Reference(s): DWR Levee Logs, 1993 and 2005. USACE Sacramento O&M Manual

Unit No. 147, August 1955, (Station 8+48)]

FS Date: 3/14/2013



View of waterward slope.

LM Start	1.56	Rating **	A/W	Issue No.		15			
LM End	1.56	Issue Type +	Ма	Location *		LS			
Category	Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End			
Animal Control				39.1608	54°	39.160854°			
Item				-121.5873	75 °	-121.587375°			
DWR ID	DWR ID DWR_NA0004_01_f _ 2016_15								
Comment Code									

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent holes where squirrels have been active were backfilled, Fall 2018.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.25	10/31/2018 10/31/2018	Sterling York

LM Start	0.02	Rating **	Α	Issue No.		5	
LM End	1.24	Issue Type +	Ма	Location *	WS		
Cotagon Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Vegetation			39.1492	95 °	39.134413°	
пеш			-121.6010	99°	-121.593779°		
DWR ID DWR_NA0004_02_f _ 2018_5							

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained, Fall 2018.

Photo 1 of 1 : FA_2018_NA0004_105_5_20181108_00017.jpg



View looking downstream waterside of the well maintained vegetation, Fall 2018.

LM Start	0.02	Rating **	Α	Issue No.	3		
LM End	1.24	Issue Type +	Ма	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Vegetation				95°	39.134425°	
item			-121.6010	99°	-121.593758°		
DWR ID DWR_NA0004_02_f _ 2018_3							

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The annual vegetation is well maintained, Fall 2018.

Photo 1 of 1 : FA_2018_NA0004_105_3_20181108_00019.jpg



View looking downstream landside of the well maintained vegetation, Fall 2018.

LM Start	0.22	Rating **	М	Issue No.		8	
LM End	0.22	Issue Type +	Ma	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Category						End	
Item	Slope Sta	bility		39.14635	2°	39.146352	0
пеш		-121.60072	4 °	-121.600724	0		
DWR ID	DWR_NA0	004_02_f _ 201	6_8				

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Foot path depression in the landside levee slope needs to be repaired. Fall 2018.

Photo 1 of 1: FA_2018_NA0004_105_8_20180918_00003.jpg



View of foot path depression in the landside levee slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.25	10/31/2018 10/31/2018	Sterling York

LM Start	0.32	Rating **	С	Issue No.		4				
LM End	0.32	Issue Type +	Ma	Location *	LS					
Category Earthen Levee				GPS La	titud	e/Longitude				
				Start		End				
Item	Slope Stability			39.14484	40 °	39.144840°				
пеш				-121.6005	59°	-121.600559°				
DWR ID	DWR_NA0	004_02_s _ 201	6_4							
	Comment Code									
S2 : Repai where pos		slope damaç	ged by fo	ot traffic and	d pr	event access				
			^							

Inspector Comment

Foot path depression in the landside levee slope has been repaired. Fall 2018.

No Photos

LM Start	0.75	Rating **	С	Issue No.		6			
LM End	0.75	Issue Type +	Ma	Location *	WS				
Category Earthen Levee								le/Longitude	
Calegory			Start		End				
Item	Animal Co	ontrol		39.1389	33°	39.138983°			
item			-121.6007	17°	-121.600717°				
DWR ID DWR_NA0004_02_f _ 2017_6									
	Comment Code								

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Rodent holes were backfilled, Fall 2018.

	LM Start	0.82	Rating **	М	Issue No.		13	
	LM End	0.82	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude				
	Calegory				Start		End	
	Item	Slope Sta	bility		39.1388	27°	39.138827	0
	item				-121.5995	30°	-121.599530	0
	DWR ID	DWR_NA0	004_02_f _ 201	6_13				
			Comn	nent Coo	le			

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

Inspector Comment

Foot path depression in the landside levee slope needs to be repaired.

Photo 1 of 1: FA_2018_NA0004_105_13_20180918_00004.jpg



View of foot path depression in the landside levee slope.

En: Enforcement

* Location + Issue Type Ma : Maintenance Deficiancy LS: Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated WS: Water Side C : Corrected Ob : Design & System Obsolescence

U : Unacceptable

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.25	10/31/2018 10/31/2018	Sterling York

LM Start	0.85	Rating **	М	Issue No.		14		
LM End	0.85	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Stability			39.1384	63°	39.138463°		
item			-121.5991	68°	-121.599168°			
DWR ID DWR_NA0004_02_f _ 2016_14								
		Comn	nent Cod	de				
S2 : Repa where pos		slope damag	jed by fo	ot traffic an	d pr	event access		
		Inspecto	or Comm	nent				
Remove steps that are cut into levee slope, Fall 2017.								



View of steps for foot path in the landside levee slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	10/31/2018 10/31/2018	Sterling York

LM Start	1.00	Rating **	М	Issue No.		30	
LM End	1.00	Issue Type +	Ма	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Slope Sta	bility		39.1421	67°	39.142167°	
пеш				-121.5828	17°	-121.582817°	
DWR ID	DWR_NA0004_03_f _ 2016_30						

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Path cut in by foot traffic on the landside slope needs to be repaired.

Photo 1 of 1: FA_2018_NA0004_106_30_20180918_00006.jpg



View of path cut in by foot traffic on the landside slope.

LM Start	1.16	Rating **	M	Issue No.		32	
LM End	1.16	Issue Type +	Ma	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Calegory	Calegory					End	
Item	Slope Sta	bility		39.1443	92°	39.144392°	
пеш				-121.5829	30°	-121.582930°	
DWR ID	DWR ID DWR_NA0004_03_f _ 2016_32						

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Ruts cut in by vehicle traffic on the landside slope needs to be repaired.

Photo 1 of 1: FA_2018_NA0004_106_32_20180918_00007.jpg



View of ruts cut in by vehicle traffic on the waterside slope.

LM Start	1.22	Rating **	Α	Issue No.		15	
LM End	4.84	Issue Type +	Ma	Location *		LS	
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Item	Vegetatio	n		39.1450	65 °	39.185397	0
пеш				-121.5821	34°	-121.540026	0
DWR ID	DWR NAO	004 03 f 201	R 15				

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1: FA_2018_NA0004_106_15_20181108_00043.jpg



View looking upstream landside of the well maintained vegetation, Fall 2018.

N/A: Not Applicable

LS: Land Side WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	10/31/2018 10/31/2018	Sterling York

LM Start	1.22	Rating **	Α	Issue No.	16	
LM End	4.84	Issue Type +	Ма	Location *		WS
Category Earthen Levee				GPS Latitude/Longitude		
				Start		End
Item	Vegetatio	n		39.1450	66 °	39.185397°
пеш				-121.5821	34°	-121.540026°
DWR ID DWR_NA0004_03_f _ 2018_16						
		Comn	nent Cod	de		

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View looking upstream waterside of the well maintained vegetation, Fall 2018.

LM Start	1.28	Rating **	М	Issue No.	33			
LM End	1.28	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Slope Sta	bility		39.14572	23°	39.145723°		
item				-121.58132	23 °	-121.581323°		
DWR ID DWR_NA0004_03_f _ 2016_33								
	Comment Code							

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Path cut in by foot traffic on the landside slope needs to be repaired.

Photo 1 of 1 : FA_2018_NA0004_106_33_20180918_00008.jpg



View of path cut in by foot traffic on the landside slope that needs repaired.

LM Start	1.61	Rating **	М	Issue No.		18
LM End	1.61	Issue Type +	Ma	Location *		LS
Category	GPS Latitude/Longitude					
Category	Category			Start		End
Item	Slope Sta	bility		39.14909	8°	39.149098
пеш			-121.57716	2°	-121.577162	
DWR ID DWR_NA0004_03_f _ 2016_18						

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Erosion from foot traffic should be repaired, Spring 2018.

Photo 1 of 1 : FA_2018_NA0004_106_18_20180918_00003.jpg



View of foot path that has cut into landside levee slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	10/31/2018 10/31/2018	Sterling York

LM Start	2.15	Rating **	М	Issue No.		39
LM End	2.15	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory				Start		End
Item Slope Stability				39.1544	40°	39.154440 °
				-121.569839 °		-121.569839°
DWR ID	DWR_NA0	004_03_f _ 201	6_39			
		Comn	nent Cod	de		
S2 : Repai where pos		slope damag	ed by fo	ot traffic an	d pr	event access
		Inspecto	or Comm	nent		
Erosion fro	m foot tra	ffic should be	repaired	l, Spring 20	18.	-



View looking upstream of foot path that has cut into the landside levee slope.

	0.04	Rating **	N 4	Issue No.	1	40
LM Start	2.21	Rating	М	issue ivo.	40	
LM End	2.21	Issue Type +	Ma	Location *	LS	
Category	evee	GPS La	atitud	e/Longitude		
Category			Start		End	
Slope Stability			39.1550)76°	39.155076°	
item			-121.568970 °		° -121.568970°	
DWR ID	DWR_NA0	004_03_f _ 201	6_40			
		Comn	nent Cod	de		
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Ruts from	foot traffic	should be rep	aired.			



View looking downstream landside of foot path that is cut into the landside levee slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	10/31/2018 10/31/2018	Sterling York

LM Start	2.55	Rating **	М	Issue No.		41
LM End	2.55	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Slope Sta	ability		39.158509°		39.158509°
пеш			-121.5644	23 °	-121.564423 °	
DWR ID DWR_NA0004_03_f _ 2016_41						
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access						

where possible.

Inspector Comment

Erosion from foot traffic should be repaired.

Photo 1 of 1: FA_2018_NA0004_106_41_20180918_00013.jpg



View looking downstream of foot path that has cut into the landside slope.

LM Start	3.28	Rating **	Α	Issue No.		19	
LM End	4.82	Issue Type +	Ма	Location *		CR	
Category Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Item	Crown Surface / Depressions /			39.1672	92°	39.185200°	
пеш	Rutting			-121.5570	93°	-121.540221 °	
DWR ID DWR_NA0004_03_f _ 2018_19							
Comment Code							

C3: Add appropriate gravel or road base. Grade and compact.

Inspector Comment

This section of crown was resurfaced with aggregate base, Fall 2018.

Photo 1 of 1: FA_2018_NA0004_106_19_20181108_00045.jpg



View looking upstream at the resurface aggregate base crown, Fall 2018.

LM Start	3.52	Rating **	Α	Issue No.	17		
LM End	6.78	Issue Type +	Ма	Location *		CR	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start End			
Item		Crown Surface / Depressions /			62 °	39.202383°	
пеш	Rutting			-121.5545	-121.554591 ° -121.5111		
DWR ID DWR_NA0004_03_f _ 2018_17							
Comment Code							
C3 : Add appropriate gravel or road base. Grade and compact.							
Inspector Comment							

Patrol road resurfaced, Fall 2018.

Photo 1 of 2: FA_2018_NA0004_106_17_20181108_00046.jpg



View looking upstream at the start of patrol road resurfaced with aggregate base, Fall 2018.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.79	10/31/2018 10/31/2018	Sterling York

LM Start	3.52	Rating **	Α	Issue No.		17 (cont)	
LM End	6.78	Issue Type +	Ma	Location *	CR		
Category	evee	GPS Latitude/Longitude					
Calegory	Start			End			
Item	Crown Su	ssions /	39.170162°		39.202383°		
пеш	Rutting			-121.5545	91°	-121.511191 °	
DWR ID DWR_NA0004_03_f _ 2018_17							
Comment Code							
C3 : Add appropriate gravel or road base. Grade and compact.							
		Inspecto	or Comm	nent			
Patrol road resurfaced, Fall 2018.							

Photo 2 of 2 : FA_2018_NA0004_106_17_20181108_00047.jpg

View looking upstream at the end of patrol road resurfaced with aggregate base, Fall 2018.